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| U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE<br><br>INFORMATION DISCLOSURE STATEMENT<br>BY APPLICANT<br><br>(USE SEVERAL SHEETS IF NECESSARY) | ATTY. DOCKET NO.<br>ASMEX.370A | APPLICATION NO.<br>10/829,029 |
|   | APPLICANT<br>Shero et al.      |                               |
|   | FILING DATE<br>July 29, 2003   | GROUP<br>Unknown              |

| U.S. PATENT DOCUMENTS |    |                 |          |                   |       |          |                                 |
|-----------------------|----|-----------------|----------|-------------------|-------|----------|---------------------------------|
| EXAMINER<br>INITIAL   |    | DOCUMENT NUMBER | DATE     | NAME              | CLASS | SUBCLASS | FILING DATE<br>(IF APPROPRIATE) |
| RRB                   | 1  | 4,548,138       | 10/22/85 | Korenberg         |       |          |                                 |
|                       | 2  | 4,947,790       | 08/14/90 | Gärtner et al.    |       |          |                                 |
|                       | 3  | 5,551,278       | 09/03/96 | Rounbehler et al. |       |          |                                 |
|                       | 4  | 5,674,574       | 10/07/97 | Atwell et al.     |       |          |                                 |
|                       | 5  | 5,698,037       | 12/16/97 | Stauffer          |       |          |                                 |
|                       | 6  | 6,033,493       | 03/07/00 | Hertz et al.      |       |          |                                 |
|                       | 7  | 6,132,492       | 10/17/00 | Hultquist et al.  |       |          |                                 |
|                       | 8  | 6,270,839 B1    | 08/07/01 | Onoe et al.       |       |          |                                 |
|                       | 9  | 6,325,017 B1    | 12/04/01 | DeBoer et al.     |       |          |                                 |
| RRB                   | 10 | 2003/0053799 A1 | 03/20/03 | Lei               |       |          |                                 |

| EXAMINER<br>INITIAL | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) |  |
|---------------------|--|--|
| RRB                 | 11   | Smith, J.M., Chemical Engineering Kinetics, 3rd Edition, McGraw-Hill Book Company, p. 268-291 (1981) |
| RRB                 | 12   | Smith, J.M., Chemical Engineering Kinetics, 3rd Edition, McGraw-Hill Book Company, p. 554-563 (1981) |

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| EXAMINER<br><i>R. Burt</i>   | DATE CONSIDERED<br><i>6-2005</i> |
| *EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT. |                                  |

FORM PTO-1449

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PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
ASMEX.370AAPPLICATION NO.  
10/629,029INFORMATION DISCLOSURE STATEMENT  
BY APPLICANTAPPLICANT  
Shero et al.FILING DATE  
July 29, 2003GROUP  
1734

(USE SEVERAL SHEETS IF NECESSARY)

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |   | DOCUMENT NUMBER | DATE     | NAME           | CLASS | SUBCLASS | FILING DATE<br>(IF APPROPRIATE) |
|---------------------|---|-----------------|----------|----------------|-------|----------|---------------------------------|
| RRB                 | 1 | 4,883,362       | 11/28/89 | Gartner et al. | —     | —        |                                 |
| RRB                 | 2 | 5,904,771       | 05/18/99 | Tasaki et al.  | —     | —        |                                 |
| RRB                 | 3 | 6,270,839       | 08/07/01 | Onoe et al.    | —     | —        |                                 |

## FOREIGN PATENT DOCUMENTS

| EXAMINER<br>INITIAL |   | DOCUMENT NUMBER | DATE     | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|---------------------|---|-----------------|----------|---------|-------|----------|-------------|----|
|                     |   |                 |          |         |       |          | YES         | NO |
| RRB                 | 4 | 011 168092      | 06/22/99 | JP      | —     | —        | Abstract    |    |

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| EXAMINER  | R Burch | DATE CONSIDERED | 6-2005 |
| <p>*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.</p> |         |                 |        |

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|---------------------|-----------------|------|------|-------|----------|---------------------------------|
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## FOREIGN PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE    | COUNTRY       | CLASS | SUBCLASS | TRANSLATION |    |
|---------------------|-----------------|---------|---------------|-------|----------|-------------|----|
|                     |                 |         |               |       |          | YES         | NO |
| RRB                 | DE 33 39 625 C2 | 1/31/91 | Germany       |       |          |             |    |
| RRB                 | GB 2 151 662A   | 7/24/85 | Great Britain |       |          |             |    |
|                     |                 |         |               |       |          |             |    |
|                     |                 |         |               |       |          |             |    |
|                     |                 |         |               |       |          |             |    |
|                     |                 |         |               |       |          |             |    |

| EXAMINER<br>INITIAL | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) |  |
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| EXAMINER   | <i>R. Burch</i> | DATE CONSIDERED | <i>6-2005</i> |
| *EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT. |                 |                 |               |

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SHEET 1 OF 1

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| FORM PTO-1448<br>U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE<br><br>INFORMATION DISCLOSURE STATEMENT<br>BY APPLICANT<br><br>(USE SEVERAL SHEETS IF NECESSARY) | ATTY. DOCKET NO.<br>ASMEX.370A | APPLICATION NO.<br>10/629,029 |
|  | APPLICANT<br>Sharo et al.      |                               |
|  | FILING DATE<br>July 29, 2003   | GROUP<br>1734                 |

| U.S. PATENT DOCUMENTS |    |                   |          |              |       |          |                                 |
|-----------------------|----|-------------------|----------|--------------|-------|----------|---------------------------------|
| EXAMINER<br>INITIAL   |    | DOCUMENT NUMBER   | DATE     | NAME         | CLASS | SUBCLASS | FILING DATE<br>(IF APPROPRIATE) |
| RBB                   | 1. | US2004/0016404 A1 | 01/29/04 | Gregg et al. |       |          |                                 |

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| EXAMINER<br>R Bunker   | DATE CONSIDERED<br>6-2005 |
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